

Figure 1

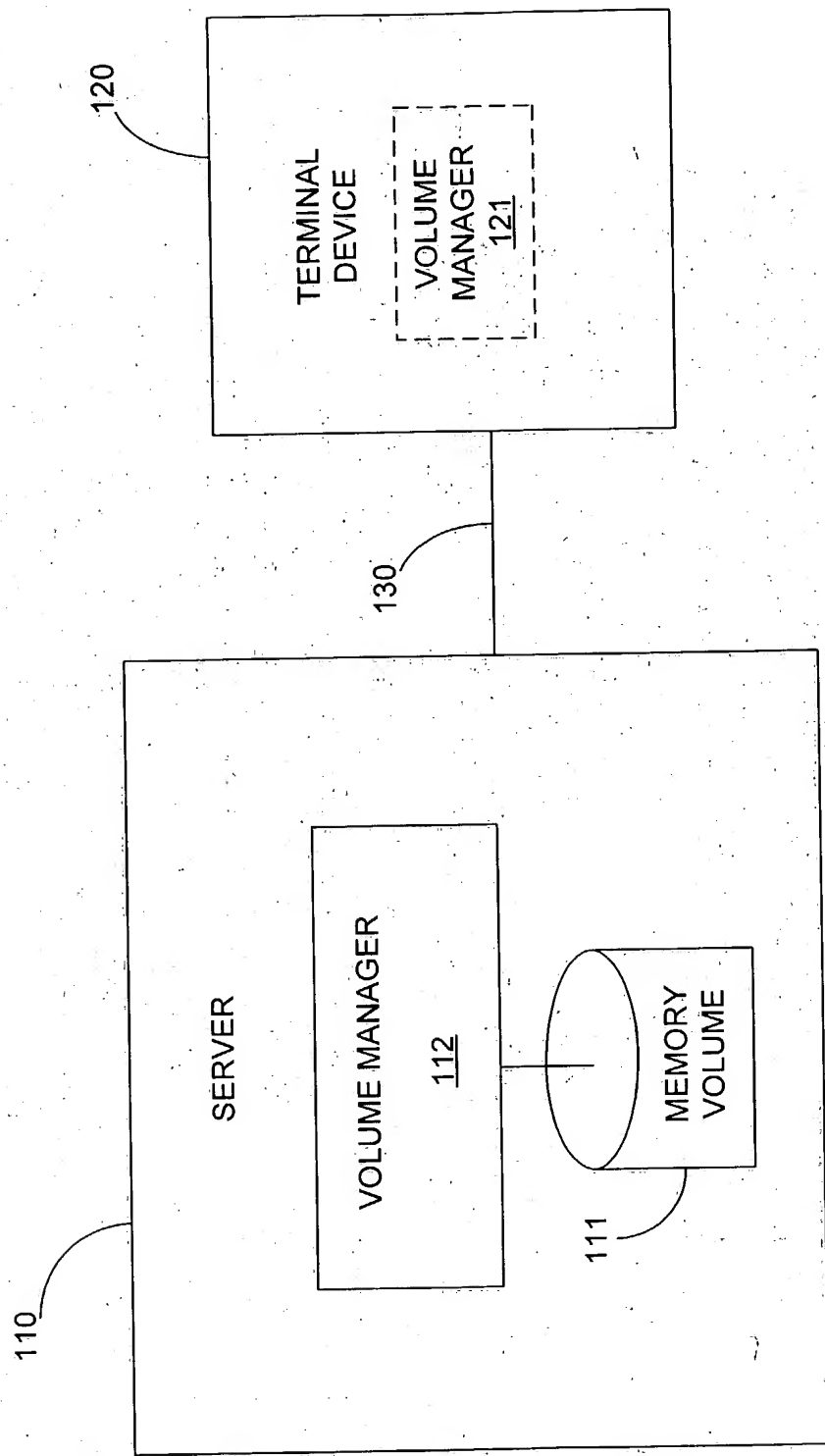


FIG. 2

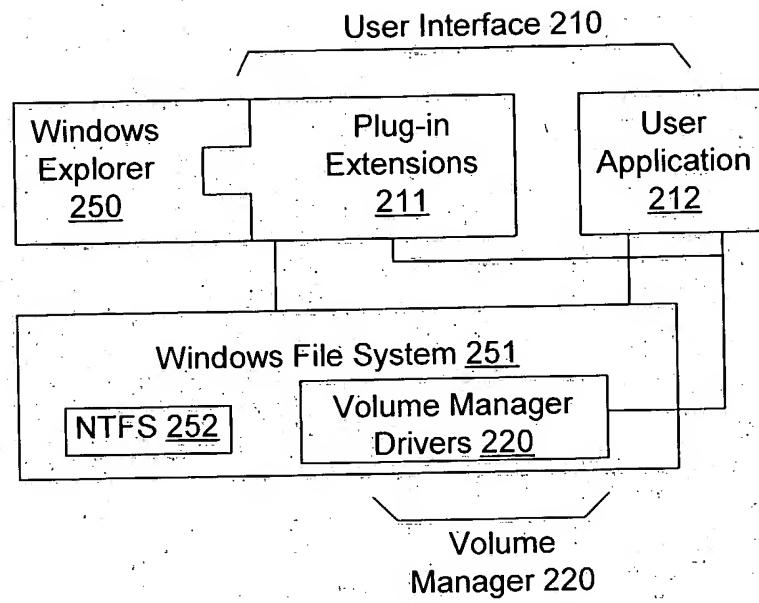


FIG. 3

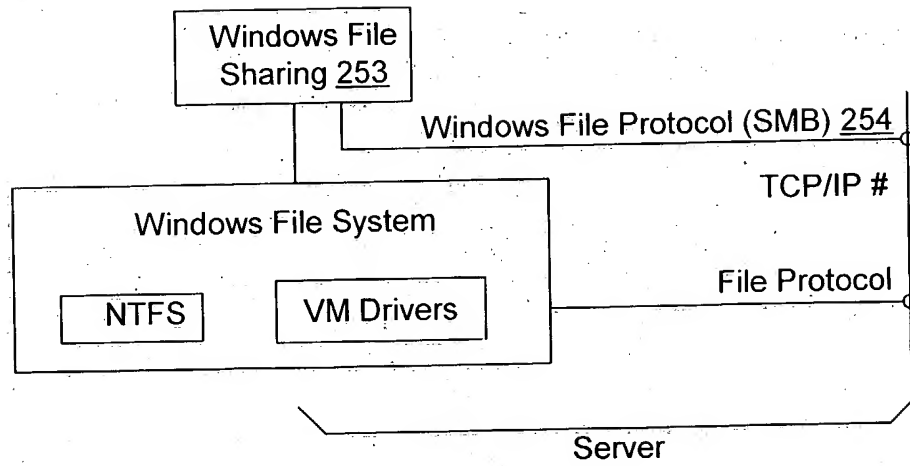


FIG. 4

The diagram illustrates the architecture of the **VolumeManager (not persistent)** component. It is organized into several functional blocks and layers:

- External Interfaces (Left):**
 - Socket Manager (580):** Connected to a **Thread Pool (570)** containing **Socket Reader (571)** and **Socket Writer (572)**.
 - RMI Interface (582):** Connected to the **Socket Manager**.
 - Gate Calls (584):** Connected to the **RMI Interface**.
- Core Processing (Center):**
 - Socket Worker (540):** Receives input from the **Gate Calls** and is associated with a **Thread Pool**.
 - Notification (560):** Contains **Notify Event**, **Notify Folder**, and **Notify File**.
 - File System Data Structures (FsNode) (530):** Contains **Traggable** (with **Slot** and **Entry**) and **Item** (with **Container** and **Stream**). Handwritten labels 532, 534, 536, and 538 point to these sub-components.
 - Volume (525):** The central data storage layer.
 - Transaction Wrapper (510):** Contains **List**, **Stat**, **Mkdir**, **Delete**, **Open**, and **Close**.
 - System Call Dispatcher (507):** Contains **List**, **Stat**, **Mkdir**, **Delete**, **Open**, and **Close**.
 - Grok Adapter (504):** Connects the system call dispatcher to external protocols.
 - SMB Protocol (502):** Connects to external networks.
 - Blobs (NTFS) (508):** A database of file blobs.
- Dedicated Threads (550):**
 - Stream Transaction (551):** Contains **Trigger** (with **Close Trigger** and **Email Trigger**), **Hash Transaction**, and **Index Transaction**.
 - Object Store (520):** A storage layer for objects.
- Other Functions (585):** A cloud-shaped box listing miscellaneous utilities:
 - Logging
 - JUnit testing
 - IdNumberManager
 - Persistent GC
 - SHA-1 hash calculation
 - XML functions
 - Misc Utilities

Handwritten annotations in the original image include numbers 500-584 and labels like 'Thread Pool', 'Dedicated Threads', and 'Object Store'.

